

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	80	("20010036235" "20010053175" "5177740" "5539783" "5991289" "6735255" "6785349").PN"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 12:01
L2	13	("20010036235" "20010053175" "5177740" "5539783" "5991289" "6735255" "6785349").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 12:01
L4	4	("5450456" "6198782").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 12:29
L5	0	fraction\$2 with (frequency adj offset) and ofdm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 12:30
L6	72	fraction\$2 with (frequency adj offset) and ofdm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 12:37
L7	34	fraction\$2 with (frequency adj offset) and ofdm and demodulat\$3 and correlat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:42
L8	2	"4604583".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 12:46
L9	6	fraction\$2 with (frequency adj offset) same demodulat\$3 same correlat\$3 and ofdm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 17:37

## EAST Search History

L10	2	"5732113".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:32
L11	2	"6058101".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:34
L12	3	"6618452".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:34
L13	25	synchroniz\$5 with long with symbol and (frequency adj offset) and ofdm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:44
L14	9	synchroniz\$5 with long with symbol same (frequency adj offset) and ofdm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:43
L15	217	synchroniz\$5 with symbol same (frequency adj offset) and ofdm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:44
L27	0	"802.11a2" with (frequency adj offset)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 17:38
L28	35	"802.11a" with (frequency adj offset)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 17:40

## EAST Search History

L29	25	"802.11a" and (frequency adj offset) same integer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 17:53
L30	458	ofdm and odd with even	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 17:53
L31	788	odd with even and (frequency adj offset)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 17:54
L32	24	odd with even with interpolat\$3 and (frequency adj offset)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 17:56
L33	3	odd with even with interpolat\$3 and (frequency adj offset) and fft	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 19:33
L34	788	odd with even and (frequency adj offset)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 19:33
L35	166	odd with even with frequency and (frequency adj offset)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 19:35
L36	0	odd with even with frequency and (frequency adj offset) same synchroniz\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 19:35

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L37	32	odd with even with frequency and (frequency adj offset) same synchroniz\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 19:51
L38	37	odd with even with frequency and multicarrier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 19:53
L39	3550	odd with even with frequency with interpola\$3and multicarrier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 19:52
L40	0	odd with even with frequency with interpola\$3 and multicarrier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 19:52
L41	0	odd with even with frequency same interpola\$3 and multicarrier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 19:52
L42	1	odd with even with frequency same interpolat\$3 and multicarrier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 19:53
L43	1	odd with even with frequency same interpolat\$5 and multicarrier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 19:53
L44	9	odd with even with frequency and multicarrier and interpolat\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 19:57

## EAST Search History

L45	0	odd with even with frequency with vector and multicarrier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 19:58
L46	27	odd with even with frequency with vector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 19:58
L47	90	odd with even with frequency and complexity with reduce	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 19:59
L48	11	odd with even with frequency and complexity with reduce and (multicarrier or ofdm)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 19:59
L49	49	odd with even with frequency with interpolat\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:32
L50	562	(odd with even with frequency).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:32
L51	8	(odd with even with frequency with interpolat\$5).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:33
L52	0	(odd with even with frequency with vector).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:33

## EAST Search History

L53	2	"5991289".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L54	1	"09/955912"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L55	87	sync with ofdm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L56	12	sync with ofdm with long	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L57	4	sync with "802.11"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L58	50	sync same "802.11"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L59	368	synchronization same "802.11"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L60	1	synchronization with "802.11" with offset	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37

## EAST Search History

L61	135	synchronization with "802.11"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L62	472	(synchroniz\$5 with receiver) with ofdm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L63	13161	(synchroniz\$5 with receiver) same (frequency offset)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L64	541	(synchroniz\$5 with receiver) same (frequency adj offset)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L65	59	(synchroniz\$5 with receiver) same (frequency adj offset) and (two near symbols)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L66	1	"09/955912"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L67	2	"5991289".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L68	2	"6735255".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37

## EAST Search History

L69	2	"20010036234".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L70	10	synchroniz\$5 with demodult\$3 with frequency withoffset	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L71	0	synchroniz\$5 with demodult\$3 with frequency with offset	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L72	0	synchroniz\$5 same demodult\$3 same frequency same offset	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L73	7	synchroniz\$5 and demodult\$3 and frequency same offset	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L74	174	synchroniz\$5 with demodulat\$3 with frequency with offset	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L75	120	synchroniz\$5 with demodulat\$3 with (frequency adj offset)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L76	39	synchroniz\$5 with demodulat\$3 with (frequency adj offset) and combining	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37



## EAST Search History

L77	1	synchroniz\$5 with demodulat\$3 with (frequency adj offset) with combining	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L78	6	synchroniz\$5 same demodulat\$3 same (frequency adj offset) same combining	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L79	101	synchroniz\$5 same demodulat\$3 same (frequency adj offset) and combining	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L80	735	channel with odd with frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L81	12748	channel with estimationwith odd with frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L82	3	channel with estimation with odd with frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L83	42	channel with estimation with even with frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L84	8	channel same estimation same odd same frequency same interpolat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37

## EAST Search History

L85	2794	correlati\$3 with interpolat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L86	34	correlati\$3 with interpolat\$3 and OFDM	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L87	75	correlati\$3 same interpolat\$3 and OFDM	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L88	0	correlati\$3 same interpolat\$3 and OFDM and synchronizt\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L89	37	correlati\$3 same interpolat\$3 and OFDM and synchronizat\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L90	541	(synchroniz\$5 with receiver) same (frequency adj offset)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L91	1211	375/362	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L92	3345	375/354	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37

## EAST Search History

L93	54	L90 and L92	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L94	299	(synchroniz\$5 with receiver) same (frequency adj offset) and long	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L95	33	L94 and L92	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L96	93	(synchroniz\$5 with receiver) same (frequency adj offset) and (long with symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L97	15	L96 and L92	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L98	684	375/364	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L99	500	375/366	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L100	3345	375/354	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37

## EAST Search History

L101	8	L96 and L91	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L102	2	L96 and L99	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L103	2	L96 and L98	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L104	12	(L97 L101 L103 L102) and odd	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37
L105	6	(L97 L101 L103 L102) and (odd with frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 20:37

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UPDATE



Day : Wednesday  
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## Inventor Information for 09/955912

Inventor Name	City	State/Country
MOOSE, PAUL H.	CARMEL VALLEY	CALIFORNIA

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## Inventor Name Search Result

Your Search was:

Last Name = MOOSE

First Name = PAUL

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>60250724</u>	Not Issued	159	11/30/2000	Synchronization, channel estimation and pilot tone tracking system for OFDM physical layer WLAN	MOOSE, PAUL
<u>09955912</u>	Not Issued	71	09/18/2001	Synchronization, channel estimation and pilot tone tracking system	MOOSE, PAUL H.
<u>07490769</u>	<u>5063574</u>	250	03/06/1990	MULTI-FREQUENCY DIFFERENTIALLY ENCODED DIGITAL COMMUNICATION FOR HIGH DATA RATE TRANSMISSION THROUGH UNEQUALIZED CHANNELS	MOOSE, PAUL H.
<u>07547884</u>	Not Issued	161	07/02/1990	ECHO CANCELLATION IN MULTI-FREQUENCY DIFFERENTIALLY ENCODED DIGITAL COMMUNICATIONS	MOOSE, PAUL H.
<u>07547897</u>	Not Issued	161	07/02/1990	MULTI-FREQUENCY DIFFERENTIALLY ENCODED DIGITAL COMMUNICATION FOR HIGH DATA RATE TRANSMISSION THROUGH UNEQUALIZED CHANNELS	MOOSE, PAUL H.
<u>07566188</u>	Not Issued	161	08/10/1990	MULTI-FREQUENCY DIFFERENTIALLY ENCODED DIGITAL COMMUNICATION FOR HIGH DATA RATE TRANSMISSION THROUGH UNEQUALIZED CHANNELS	MOOSE, PAUL H.
<u>07566290</u>	<u>5166924</u>	250	08/10/1990	ECHO CANCELLATION IN MULTI-FREQUENCY DIFFERENTIALLY ENCODED DIGITAL COMMUNICATIONS	MOOSE, PAUL H.
<u>09404003</u>	<u>6459745</u>	150	09/23/1999	FREQUENCY/TIMING RECOVERY CIRCUIT FOR ORTHOGONAL FREQUENCY DIVISION MULTIPLEXED SIGNALS	MOOSE, PAUL H.

Inventor Search Completed: No Records to Display.

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Searched for:: :All of the words:**fractional AND "frequency offset" AND ofdm AND integer**

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- ☐ 1. [TIMING AND FREQUENCY SYNCHRONIZATION OF OFDM SIGNALS](#)  
**SCHMIDL, Timothy, M. / COX, Donald, C. / THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, PATENT COOPERATION TREATY APPLICATION**, Jan 1998  
 ...of the received **OFDM** signal. These operations...for the carrier **frequency offset**, Af, of the received...major aspect of **OFDM** synchronization...to such carrier **frequency offset** which causes a...for the carrier **frequency offset** and sampling rate...receiver receiving an **OFDM** signal. The method...  
**Full text available at patent office. For more in-depth searching go to**  LexisNexis-  
[view all 4 results from Patent Offices](#)  
[similar results](#)
- ☐ 2. [Synchronization of frame, symbol clock, and carrier in multicarrier receivers](#)  
**Huang, Yung-Liang / Lu, Chun Chian, / Huang, Chia-chi / Industrial Technology Research Institute, EUROPEAN PATENT**, Dec 1998  
 ...compensate for the **fractional frequency offset**. A method...synchronization of an **OFDM** is described...modulated **OFDM** input signal...obtaining a **fractional carrier frequency offset**, and means...aforementioned **OFDM** input signal...estimating a **fractional frequency offset** of the carrier...  
**Full text available at patent office. For more in-depth searching go to**  LexisNexis-  
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- ☐ 3. [BURST CARRIER FREQUENCY SYNCHRONIZATION AND ITERATIVE FREQUENCY-DOMAIN FRAME SYNCHRONIZATION FOR OFDM](#)  
**HUBER, Johannes / MÜLLER-WEINFURTNER, Stefan / TELEFONAKTIEBOLAGET LM ERICSSON (publ), PATENT COOPERATION TREATY APPLICATION**, Dec 1999  
 ...SYNCHRONIZATION FOR **OFDM** CROSS-REFERENCE...position and **frequency offset** over several...Equalizer with **Fractional-T Spaced**...Synchronization, **Frequency Offset** Estimation...the carrier **frequency offset**. Thus, the...Synchronization in **OFDM** Systems...  
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- ☐ 4. [ICASSP'99 Table of Contents \[PDF-2MB\]](#)  
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 ...Division Multiplexing (**OFDM**) systems as the...of new time and **frequency offset** estima- tors using...Division Multiplexing (**OFDM**) systems [111...estimators of time and **frequency offset** in **OFDM** systems...Estimators for **OFDM**', Research Report...Odling, 'Time and **Frequency Offset** Estimation in **OFDM**...  
[\[http://www.tde.lth.se/home/daniel/publications/Lan99.p...\]](http://www.tde.lth.se/home/daniel/publications/Lan99.p...)  
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 The invention provides a single chip implementation of a digital receiver for multicarrier signals that are transmitted by orthogonal frequency division multiplexing. Improved channel estimation and correction circuitry are provided. The receiver has...  
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